

(Continued from page 1)

requesting “No Further Action” at SWMU 10-A. The public meeting related to this request was held at Warner Robins City Hall following the June 13, 2002, RAB meeting. Supporting documents related to this permit modification request are available at the Nola Brantley Memorial Library in Warner Robins.

In the early 1970s, an estimated 60,000 gallons of JP-4 fuel overflowed from a tank in this area; at the time only a portion of the spilled fuel could be recovered. In 1997, the base developed a CAP for remedial actions at this site. The CAP criteria included achieving a 5 ppb benzene limit in the area soils. The remedial technologies selected were free product recovery from a series of recovery wells using absorbent wicks and bioventing for residual fuel biodegradation.

The remedial actions taken have proven quite successful. All free

product from this site was recovered by 1999, and bioventing has enabled the base to achieve the 5 ppb remedial objective in area soils. At present the bioventing system continues in operation pending regulatory response to the permit modification request. The public notice concerning the permit modification request was provided to the local print media



Bioventing system in use at SWMU 10-A.

as well as to specified state and local government offices and to addressees on the GA EPD mailing list.

Glossary

AFB-	Air Force Base
BEE-	Bioenvironmental Engineering
CAP-	Corrective Action Plan
ERP-	Environmental Restoration Program
FY-	fiscal year
GA EPD-	Georgia Environmental Protection Division
JP-4-	jet fuel
OT-	other
OU-	Operable Unit
ppb-	parts per billion
RAB-	Restoration Advisory Board
RCRA-	Resource Conservation and Recovery Act
RFI-	RCRA Facility Investigation
SWMU-	Solid Waste Management Unit
EPA-	Environmental Protection Agency

Visit us on the web at
www.em.robins.af.mil

For more information regarding the RAB, contact
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Restoration Advisory Board Members		
Mr. Steven Coyle, Robins AFB Installation Co-Chair	Dr. Dan Callahan, Warner Robins Community Member	Mr. Mike Maffeo, Macon Community Member
Mr. James Harden, Warner Robins Community Co-Chair	Ms. Marianne Golmitz, Warner Robins Community Member	Dr. M.B. Neace, Macon Community Member
Ms. Liz Wilde U.S. EPA Region 4 Federal Facility, Hazardous Waste Div.	Mr. Mike Hutchinson, Centerville Community Member	Dr. Brian E. Rood, Macon Community Member
Mr. Brent Rabon GA EPD Hazardous Waste Management	Dr. Joyce Jenkins, Fort Valley Community Member	Ms. Kathy Stege, Macon Community Member
Mr. Kevin Long, Robins AFB Chief, Compliance and Restoration Division	Mr. Steve Johnson, Macon Community Member	Dr. Joseph Swartwout, Fort Valley Community Member
	Mr. Broderick Lowe, Warner Robins Community Member	Mr. Don Thompson, Macon Community Member



A publication of Robins AFB

Robins Air Force Base Restoration Advisory Board (RAB) *Fact Sheet*



Volume 5, Issue 2, June 2002

The Robins AFB RAB

Recognizing the importance of public involvement in environmental restoration, Robins Air Force Base established the Restoration Advisory Board in 1994. The mission of the RAB is to encourage community participation in the Air Force Environmental Restoration Program cleanup process and allow community members and other stakeholders to have meaningful dialog with base officials. The RAB includes members from the community, regulatory agencies, and the base, and holds four public forums per year. The RAB serves to advise Robins AFB management and disseminate information to the public.

June RAB Meeting Held

The summer meeting of the RAB was held June 13, 2002, at Robins AFB, Georgia. The theme of this meeting was “Tour of Ongoing Cleanup Activities.” The tour portion of the meeting included tours with briefings at the Landfill 4 site, the sanitary sludge placement area (OT-23), and the wetlands area (OU-2). In addition, the group toured the Hazardous Waste Processing Facility, Building 359. Upon completion of the tour, the RAB members reassembled in Building 359 for the meeting portion of the program, which included a briefing on the FY 03 project plans and budgets for the restoration program.

The RAB *Fact Sheet* provides a summary of the information and topics discussed in this meeting.
The next meeting will be held on September 12, 2002.



Brig. Gen. Lawrence Stevenson, WR-ALC Vice Commander, joined the RAB tour of sites with ongoing cleanup activities. Here Brig. Gen. Stevenson listens to the Landfill 4 briefing with (from left) Liz Wilde, RAB member representing U.S. EPA, Brent Rabon, RAB member representing GA EPD, and Steve Coyle, Installation Co-chair.

Public Meeting Held for Permit Modification Request for SWMU 10-A

Robins Air Force Base has completed corrective actions as directed by GA EPD at SWMU 10-A, JP-4 Spill Site. As a part of the regulatory process, the base has submitted a Class 3 Permit Modification Request to GA EPD

(Continued on page 4)



Philip Manning addresses the Public Meeting for the Hazardous Waste Facility Permit Modification request for SWMU 10-A at the Council Chambers of City Hall in Warner Robins.

The Permit Modification Process for Corrective Action

Regulations require that the holder of a Hazardous Waste Facility Permit complete a designated process when a permit modification is warranted for completion of an approved final remedy. The process involves submittal of a permit modification request to GA EPD, notification to designated public entities and individuals of the request in writing, establishment of a public comment period with notification in the print media, and the holding of a public meeting in order to brief the public and receive any further comments. Upon completion of the required steps, GA EPD considers all comments received and determines whether the requested modification is granted.

At SWMU 10-A, Robins AFB has completed all required corrective actions stipulated in regulations and in the permit. As a consequence, the base has requested a modification to the permit to change the status of SWMU 10-A to “No Further Action.”

Landfill 4 Visited During RAB Tour

The Landfill 4 site was one of the sites visited and discussed during the 2002 RAB tour as part of the 13 June meeting. **Kevin Long**, Chief of the Compliance and Restoration Division (EMQ) and **Philip Manning**, Environmental Engineer in EMQ, briefed RAB members on activities ongoing at this site.

Landfill 4 was used by the base from 1965 until 1978 for disposal of general refuse and industrial waste materials. Contaminants present as a result of past activities at the site include various organic and inorganic constituents.



Philip Manning (l) and Kevin Long brief the RAB tour on cleanup activities ongoing at the Landfill 4 site.

There are 36 methane vent stacks in place at the Landfill 4 site.

Completion of a leachate collection system at this site was accomplished in 1997, and a geosynthetic-clay cover system was installed in 1998. Groundwater extraction wells were also installed to extract contaminated groundwater from the site; the extracted groundwater is treated in the base GWTP adjacent to Landfill 4.

As is typical of landfills, Landfill 4 generates methane gas; as part of the tour, RAB members were shown the numerous methane vent stacks at the site used to vent the low concentrations of methane produced within the landfill area.

Sanitary Sludge Placement Area Update

Robins AFB is engaged in a program designed to ensure that metals contamination at the sanitary sludge placement area (OT-23), does not migrate to nearby wetlands and is maintained to eliminate the potential for human contact, according to a briefing by **Kevin Long**. Major activities underway include installation of a final cover to promote drainage and minimize erosion. Following this activity will be establishment of a vegetative cover and land use controls to prevent any intrusion into the subsurface.

Hazardous Waste Processing Facility

The Hazardous Waste Processing Facility (Building 359) was toured by RAB members on 13 June. **Mary Kicklighter**, Chief of the Pollution Prevention Division (EMP), led members on a tour of the interior of the facility, and pointed out waste entry, staging, and storage areas. She also indicated several specialized items, including drum crushers and drum washers, that are used to ensure that minimal waste is produced while processing wastes generated across the base. Upon completion of this part of the tour, RAB members reassembled in Building 359 for the meeting portion of the program.



Ms. Mary Kicklighter of EMP (l) and Ms. Lori Ann Hill of BEE discuss hazardous waste processing operations while RAB member Rick Lowe listens.

Wetlands Tour Focuses on Cleanup

As part of the 2002 RAB tour, RAB members visited the base wetlands, also known as OU-2. **Fred Otto**, Geologist in EMQ, briefed activities at this site. As is the case throughout the United States, the presence of wetlands on Robins AFB increases the sensitivity to ensuring that the most appropriate restoration techniques are utilized.

The wetlands on base receive runoff from various other environmental restoration sites, including Landfill 2, Landfill 4, and the sanitary sludge placement area. As a result, the wetlands contain sediments with metals and pesticide constituents.

Cleanup activities have included detailed characterization of wetlands sediments and installation of two weirs for raising the water level in the wetlands, thereby retaining the sediments in the wetlands.

At present, a feasibility study is underway to evaluate various technologies for restoration of the wetlands, including removal of contaminated sediments. The goal of the feasibility study is to identify and evaluate the most feasible alternatives, with a recommendation being made as to the most appropriate group of technologies to be applied.



RAB members and others on the tour listen to the briefing on cleanup activities underway at the base wetlands area.

FY 03 Restoration Budget Briefed

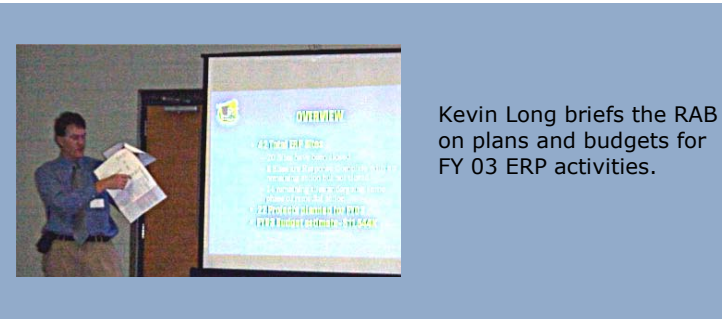
Kevin Long briefed the RAB on the projects planned for the ERP during FY 03 and the budgets associated with these projects. He began with a summary of the status of the ERP sites: of the 42 total ERP sites, 20 have been closed, 8 are “Response Complete” awaiting closure, and 14 sites are undergoing some phase of remedial action.

14 Sites require action next year

- DC-34- Corrective Action Plan and Remedial Design
- LF-04- Remedial Action on wetlands and operation of Landfill
- OT-23- Remedial Action to install cover
- SS-40 and OT-20- Remedial Operations following FY02 construction project
- OT-37 and OT-41- Remedial Operations following completion of FY01 construction project
- LF-03, OT-17, OT-29, SS-39, and SS-42- Continued Operations
- LF-01 and LF-02- Continued Long Term Monitoring

A briefing slide indicates the 14 ERP sites at which action is planned and budgeted for FY 03.

During FY 03, 22 projects are planned and budgeted, with a total budget of \$11,644,000. Expenditures will be in the categories of manpower, management, corrective plans/designs, interim actions, remedial construction, remedial operations, and long-term monitoring. The two largest categories of expenditure are remedial construction, with two projects totaling \$4,104,000, and remedial operations, with eight projects totaling \$5,608,000.



Kevin Long briefs the RAB on plans and budgets for FY 03 ERP activities.